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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

TIM M. HOBEROCK
and DAVID ARELLANO

HP Docket No. 10005234-1

Serial No. : 09/892,422

Examiner L. Devine

Filed : June 26, 2001

Group Art Unit 2624

For : DRY ERASE PRINTER PRESENTATION BOARD

Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

DECLARATION UNDER § 1.131

We declare as follows:

1. We are inventors who, on June 26, 2001, filed the above-identified application. At the time of such invention, we were employees of Hewlett-Packard Company.

2. Prior to October 6, 2000, the effective date of U.S. Patent No. 6,652,086 to Tomida et al., we conceived of our invention, and diligently worked toward reducing our invention to practice, as demonstrated by the Invention Disclosure attached to this declaration.

3. Invention Disclosure 10005234 (which has a descriptive title "DeskJet Dry Erase Presentation Board") is attached hereto as Exhibit 1. As indicated, Invention Disclosure 10005234 was prepared at least as early as July 13, 2000.

4. At the time of preparing Exhibit 1, which preceded October 6, 2000, we had conceived of a presentation system including: a writing surface coupled with a frame, the writing surface being adapted to receive erasable ink; and a printer

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coupled with the frame, the printer including a printhead configured to print an image on the writing surface with erasable ink; wherein the printhead is adapted to move along a traverse rail.

5. We also had conceived of a presentation system including: a presentation board adapted to display an image for simultaneous viewing by a plurality of viewers, the presentation board including: a writing surface and a printer disposed to print non-permanent ink onto the writing surface; a scanner adapted to scan the writing surface; an electronic image; and a processor adapted to transmit the electronic image to the printer.

6. We also had conceived of a method for creating an image to be viewed during a presentation including: obtaining, in electronic form, the image to be viewed; sending the image to a presentation system including a printer with a printhead adapted to print erasable ink onto a writing surface; and printing the image on the writing surface.

7. We also had conceived of a presentation system including: a writing surface coupled with a frame, the writing surface being adapted to receive erasable ink; a printer coupled with the frame, the printer including a printhead adapted to move along a traverse rail, where the printhead is configured to print an image on the writing surface with erasable ink; and a scanner adapted to scan the writing surface.

8. We also had conceived of a method for creating an image to be viewed on a presentation system during a presentation, wherein the presentation system includes a writing surface, a printer with a printhead adapted to print erasable ink onto the writing surface, and a scanner configured to scan an image on the writing

surface, the method including: scanning an image on a writing surface; saving the scanned image in electronic form; erasing the image; and printing the scanned image on the writing surface at a later time using the printer.

9. Following our conception prior to October 6, 2000, we diligently worked toward reducing our inventions to practice, and on June 26, 2001, filed the present patent application.

10. All acts set forth herein and/or relied upon for the purpose of establishing invention prior to October 6, 2000 were carried out in the United States.

11. We declare that all statements made herein of our own knowledge are true and all statements made on information and belief are believed to be true. These statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under § 1001 of Title 18 of the United States Code. We understand that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

Date: November 17, 2005

Tim M Hoberock
Tim M. Hoberock

Date: _____

David Arellano

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surface, the method including: scanning an image on a writing surface; saving the scanned image in electronic form; erasing the image; and printing the scanned image on the writing surface at a later time using the printer.

9. Following our conception prior to October 6, 2000, we diligently worked toward reducing our inventions to practice, and on June 26, 2001, filed the present patent application.

10. All acts set forth herein and/or relied upon for the purpose of establishing invention prior to October 6, 2000 were carried out in the United States.

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Date: _____

Tim M. Hoberock

Date: November 17, 2005

David Arellano



INVENTION DISCLOSURE

PAGE ONE OF 3

PDNO 10005234

DATE RCVD 11/16/2000

ATTORNEY LHM

Instructions: The information contained in this document is **COMPANY CONFIDENTIAL** and may not be disclosed to others without prior authorization. Submit this disclosure to the HP Legal Department as soon as possible. No patent protection is possible until a patent application is authorized, prepared, and submitted to the Government.

Descriptive Title of Invention:

DeskJet Dry Erase Presentation Board

Name of Project: NA

Product Name or Number: NA

If any of the above situations will occur within 3 months, call your IP attorney or the Legal Department now at 1-857-2542 or 415-857-2542

Was the invention described in a lab book or other record? If so, please identify (lab book #, etc.)

Tim Hoberock's Lab Book #4249, Page 151

Was this invention made under a government contract? If so, the agency and contract number: No ☒ Yes ☐

Description of Invention: Please preserve all records of the invention and attach additional pages for the following. Each additional page should be signed and dated by the inventor(s) and witness(es).

- A. Prior solutions and their disadvantages (if available, attach copies of product literature, technical articles, patents, etc.).
- B. Problems solved by the invention.
- C. Advantages of the invention over what has been done before.
- D. Description of the construction and operation of the invention (include appropriate schematic, block, & timing diagrams; drawings; samples; graphs; flowcharts; computer listings; test results; etc.)










Signature of Inventor(s): Pursuant to my (our) employment agreement, I (we) submit this disclosure on this date: [July 7, 2000]

340596	Tim Hoberock		(200)	396-7548	131	4600-6608	ISW
Employee No.	Name	Signature		Telex	Mailstop	Entity & Lab Name	
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Employee No.	Name	Signature		Telex	Mailstop	Entity & Lab Name	
Employee No.	Name	Signature		Telex	Mailstop	Entity & Lab Name	
Employee No.	Name	Signature		Telex	Mailstop	Entity & Lab Name	

(If more than four inventors, include additional information on another copy of this form and attach to this document)

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Exhibit 1

HEWLETT-PACKARD		INVENTION DISCLOSURE		COMPANY CONFIDENTIAL		PAGE 2 OF 3	
Signature of Witness(es): (Please try to obtain the signature of the person(s) to whom invention was first disclosed.)							
The invention was first explained to, and understood by, me (us) on this date: July 7, 2000							
Full Name		Signature			Date of Signature		
David Payne					07-11-00		
Inventor & Home Address Information: (If more than four inventors, include addl. information on a copy of this form & attach to this document)							
Inventor's Full Name							
Tim Mitchell Hoberock							
Street							
							
City		State		Zip			
							
Do you have a Residential P.O. Address? P.O. BOX		City		State		Zip	
NA							
Greeted as (nickname, middle name, etc.)				Citizenship			
Tim				USA			
Inventor's Full Name							
David Arellano							
Street							
							
City		State		Zip			
							
Do you have a Residential P.O. Address? P.O. BOX		City		State		Zip	
NA							
Greeted as (nickname, middle name, etc.)				Citizenship			
Dave				USA			
Inventor's Full Name							
Street							
City		State		Zip			
Do you have a Residential P.O. Address? P.O. BOX		City		State		Zip	
Greeted as (nickname, middle name, etc.)				Citizenship			
Inventor's Full Name							
Street							
City		State		Zip			
Do you have a Residential P.O. Address? P.O. BOX		City		State		Zip	
Greeted as (nickname, middle name, etc.)				Citizenship			

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DeskJet Dry Erase Presentation Board

This idea is for a device has a presentation board with an integrated printer. The device comprises of a dry erase board with a dry erase ink printer built into it (possible using DeskJet technology). The device would have an interface connection so images could be printed to the board. The ink used for printing would be erasable so that the image could be modified during a presentation or erased and a new image printed.

A. Prior solutions and their disadvantages (if available, attach copies of product literature, technical articles, patents, etc.)

Prior solutions consist of:

- 1) Using an overhead projector and overhead transparencies or a display screen
- 2) Drawing the images manually on a dry erase board
- 3) Using a computer and a projection system

B. Problems solved by the invention.

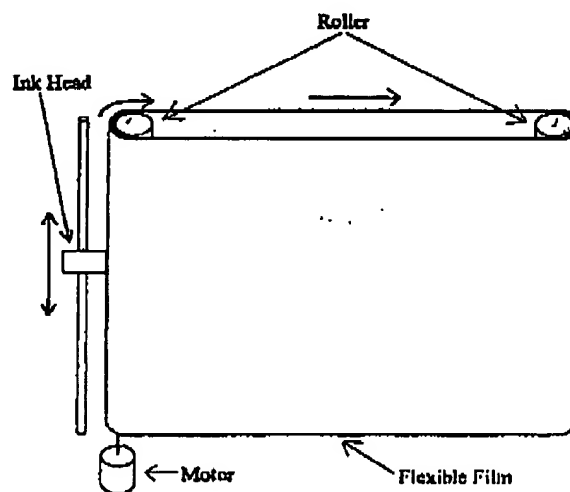
- 1) Allows drawing of repeated or frequency used images (like borders for a table or for company confidential stamps) automatically.
- 2) Prints images on the board from the original source rather than having to draw them manually
- 3) More convenient than using a projector

C. Advantages of the invention over what has been done before.

- 1) Can be combined with a copy board to get hard copy "originals."
- 2) Can print an electronic image directly on dry erase board (no need to manual draw the image)
- 3) The device can have standard saved images which can be printed on to the board during use (like borders for an Action Item table or for company confidential stamps)
- 4) More legible/professional presentations than hand written
- 5) Design drawings can be printed on the board for discussion/modification

D. Description of the construction and operation of the invention (include appropriate schematic, block, & timing diagrams; drawings; samples; graphs; flowcharts; computer listings; test results; etc.)

This device consists of a dry erase board and a printing system using dry erase ink. The device would have a processor board and an interface connector(s) for downloading images. The device may also have buttons to interface with the user. The print system for the board may consist of an ink cartridge with a print head which travels in two axis across the board to produce the image. Or the dry erase board can be made of a flexible film and the ink cartridge with the print head moves in one axis as the film rotates in a loop. Either system can be combined with a scanner for the board (copy board type setup) to produce hard copies of the printouts if they are modified.



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